Form PTO-	1449				٦). 3	EPARIMENT OF	COMMERCE	ATTY, DOC.		SERIAL	:t	_ of _ <u>_</u>
(Reproduced)								NT AND TRADEMAI		BB-1043				339
I	NFORM	LATIC						STATEME	NT	APPLICANT FILING DATE	- et		7	
·	(Us	e sev		BY. Lls				necessary)	FILING DATE DOCOMBER 17	1000	GROUP	V	
												<u> </u>	ILMO	wo
*EXAMINER INITIAL		Doct	JMEN	TN	UMBI	ER	7	DATE	NAME	TENT DOCUMENTS	CLASS	SUB-	PTTT	NG DATE
			T	Τ			\dashv		 			CLASS		PPROPRIA
	 		+	+	Н	H	-							
···			\bot		Ц		_				- [1	
							-							
													+	
			+			\dashv	+					_	 	
		-	+		\dashv	\dashv	+		<u> </u>			<u> </u>	<u></u>	
			\downarrow	Ц	4	\downarrow	4							
			Γ			T	T				 		+	
		+	†		\top	+	\dagger						 	
			+		+	+	+					<u> </u>	J	
				\sqcup	\perp	\perp	\perp				İ	1		
								FORE				<u> </u>	1	
		DOCUM	ENT	NUM	BER		D	ATE	COUNTRY	ENT DOCUMENTS	CLASS	SUB-	TRANS	LATION
		\top	П	Т	T	T	\dagger				 	CLASS	YES	МО
	 -	+	╁	+	+	╀	╀					<u> </u>	<u> </u>	
		4		4	\bot	\perp	$oldsymbol{\perp}$							
	T			T	T						 	c .	 	
		+		+	+	+	\vdash						<u> </u>	
						<u> </u>	L						<u> </u>	
	0:	THER	DO	СОМ	EN'	rs	(II	ncluding Au	thor, Tit	le, Date, Pertine	ent Pages	, Etc.)		
Sm	L									Lipid Resea			1:10:	-24.2
		G			1)	281	\wedge	Val 11 00	56 111	Tipia Research	Ou -	10.5)21	0.179	<u>. २० व्</u>
				arc	, .	7 66	<u>∽</u>	у от. 4, 50.	85-11b	In Stump,	P.K. E	d., The	_BinC	bemish
	-	- 1								New York				
ZM		-lu	15	ملا	et	- 0	L,	DenEna	and J.1	nedicine (1990)N 303:	439-	445	
5° an		K	nau	عاد	5	(19	180) Den 35	·38. Ir	a. Apple shite	TH.	d 100	-11	
		10	ے۔		-,			0 1 1	for	the Fots and C	oils A	merica,	011	
MINER		مال مامار		1 61	×		מג	rate has	DATE	the Fots and Country Proceeding	s; ch	muss"	Soci	cty
	7	M.	<u>تا _</u>	~		-				9(26(02			
MINER: Ini	tial i	f cita	tion	and	nsid	ere	d, i	whether or no	t citation	is in conformance	with MPEP	609; Draw	line th:	rough
				and	1100	. 🗢	1510	sered. Inclu	de copy of	this form with next	t communic	ation to a	applicant	Ł

Form PTO					-		s.	DEPAREMENT OF	OMMERCE.	ATTY. DOC: Vo.		SERIAL	NO.	_ 01
(Reproduced	1)						PAI	ENT AND TRADEMAR	K OFFICE	BB-10-13		3719-		
3	INFOR	MAT	ION	ים ז	ISC	Los	ŪR	E STATEME	NT	Lightner	- et		,	
	(II	4	-17 6		AP			r f necessary)		LITTING ANTE		CROUP		
	,,,	36		101	31.0			r necessary)		November 17,	MA	Unk	no W	
*EXAMINER	1	Tag	CUM	ENT	VIIM	a e d		DATE		TENT DOCUMENTS				
INITIAL								UNIE	NAME		CLASS	SUB- CLASS		NG DATE
	1												1	PEROPRIA
	1	1		11	\top	\dagger	\vdash		<u> </u>					
	+	╂-	-	++	- -	+	<u> </u>					<u> </u>		
					\perp						İ			
												1	+	
	+				+						+			
		-	Н	$\vdash \vdash$	+	\sqcup								
												į		
					Т							1	1	
	+			+	十	H	┪					 		
	 		\dashv	_	4-		4							
	<u> </u>										1	l		
			Ī	T			\Box		·			†	†	
	 		\dashv	+	+		\dashv				+	-	 	
	<u></u>											<u> </u>		
	,	r—						FORE	IGN PAT	ENT DOCUMENTS				
		DOC	UME	NT N	UMBE	R		DATE	COUNTRY		CLASS	SUB- CLASS		LATION
				\top	П		\top				-	CLASS	YES	NO
			+	+	+	-+	+				 		 	
		_	_	\perp	\sqcup	\perp	\perp							
			1											
			\top		\prod	\top	T			·	1	 	 	+
		+	+	+	H	+	+		· · · · · · · · · · · · · · · · · · ·		ļ	ļ	<u> </u>	
			\perp			丄	\perp	1						1
_	(THE	R	DOCI	OME:	TS		To-luding to	* >					-
ź~			Br	وپي	عد	e	F	N., Ann.	Rev.	Plant Phys	ol. (Y	DOI. B.	οT.	
	}			1 -1 -	111		۷.	467500	<u> </u>					
			<u>ohl</u>	roge	36+	<u>e</u> †	<u>a</u> 1	. Biochim	Biophy	15. Acta(191)	1082:1	-26		
													7e i	
		-	The	and t	Son,	2+		il., Proc. r	ati. A	chem. (1988) ed. sc. USA	(199)	1 7-	112	
+	\rightarrow	ſ										·		
	-		Sha	ak	in	2+	a	1, Proc.	nath A	lead. Sci USF	(F91)	88:25	10-2	514
1														
AMINER	5:~	10 -	٠	<u></u>	, j . `			- Uilli	DATI	(1990) 265 20 CONSIDERED	174-0	10177	<u> </u>	
	£3	pu.	Ć,.	<u></u>	<u> </u>					9	80 m	ź		
AMINER: I	nitial ot in a	if ci	tat	ion	cons	ider	ed,	whether or no	ot citation	is in conformance	with MPEP	609; Draw	line th	rough
				a	n	اد د	บกร	Logred. Incli	ide copy o	f this form with next	t communic	ation to	applic a n'	t.

Form PTO-1 (Reproduced)	449				•		DEPAREMENT OF		ATTY. DOCK		SERIAL	NO.	<u>- u</u>
									BB-1643		10.49	777,3	3
IN			1	BY A	PPLI	CN			LIGHTON FILING PATE	ret	GROUP		
-	eU)	e sev					f necessa	ry)	november 1	71992	Unk	now	^
		T = 0.001							LIENT DOCUMENT				
*EXAMINER INITIAL		DOCL	JMENT	יטא י	MBER	! 	DATE	NAME		CLASS	,	FILIN	NG DATE
						T					CLASS	IF AP	PROPRIZ
			1	\prod	十	十	 		·		-		
			+	╁	+	+	 						
			-	H	1	\downarrow	<u> </u>						
				Ц	\perp	\perp							
	-										 	1	
			\prod		T						+	+	
		十	††	+	+	$\dagger \dagger$					+	-	
		+	++	+	+	╁┤		-					
		-	++	+	+	igert							
			\coprod	\bot	\perp	Ц							
						$\ \ $						1	
		\top	П	T	T	П				+	-	 	
	I.										<u> </u>	<u></u>	
T		росим	ENT	NUME	BER	T	DATE	COUNTRY	ENT DOCUMENTS	CLASS	SUB-	TRANSL	ATTON
	\dashv		П		TT	\dashv					CLASS	YES	NO
		- -	\dashv	\bot	$\bot \downarrow$	4							
	\bot		Ш			\perp							
										-			
													
					Ш								
	01	HER	DOC	:OME	ent:	3 ()	Including .	Author, Tit	le, Date, Pertin	IROT Pages			
7 ~									1986) 261				
		K	20<	rer	- 15	+ a	1. T B	ol Ch-	(1989) 264:		-1323 -147	<u> </u>	
		1	nd-	- 1	<u>۔۔۔</u> ملہ	اما	no. L	or closed	347: 200-	19 155	19/10		
													
	+	10.	<u>ں.</u>	H_{i}	PP	עוכ	ation	10.:0	1/804, 259 1	Filad I	xc.4,1	991	
	\vdash								oiol. Chem 2				
MINER					ta	<u>J. </u>	(1988)7	S. Bipl. CI	nem 263:4	641- 4	1646		
ر با	NE	٦٠ ٢						DATE	CONSIDERED	0 26 5	, .,	_	
MINER: Init	ial i: in cor	f cita	ition	cons	side	red,	whether or	not citation				line thro	ouah
					100		idered. Inc	:lude copy of	is in conformance this form with nex	ct communic	ation to a	pplicant	•

Reproduced)	1449				-	,		DEPARIMENT C		BB-10		<u></u>	Shee	NO.	or
	VEOD1	<i>ል</i> አጥ ጉ	ON	ים		T 00		E STATE		APPLICANT				77, 3	39
**				BY	AP	PLIC	ANI			FILING DAY	Me	r e	GROUP	<u> </u>	
	eU)	e se	ve	ral	she	ets	11	f necessar	-y)	Mumbe	r 17,	1992	GROUP	Kno	w
EXAMINER	1	DOC	UME	ENT	NUM	BER		DATE	U. S. PI	ATENT DOCU	MENTS				
INITIAL	ļ	_			_		T			·		CLASS	SUB- CLASS		NG DATE
						\perp									
														1	
					\top							1	 		
			7	+	+	Ţ.			-			 	+	- 	
*****		H	\dashv	+	+	+	Н								
	ļ		\dashv	+	+	+			_			ļ	ļ	<u>. </u>	
			\perp		\perp										
										-					
													 	 	
			\top	\dagger	+	1 1	1				· · · · · · · · · · · · · · · · · · ·	 		+	
			+	+	╁	╂╌┨	\dashv		- 			ļ	ļ	 	
		_	\downarrow	\bot	_	\sqcup	\perp								
							ı								
					<u> </u>			FOI	REIGN PA	TENT DOCUM	rente				
		DOCU	MEN	IT N	UMBI	ER	 	FOI	REIGN PA	TENT DOCUM	Ents	CLASS	SUB-		LATION
		DOCU	MEN	IT NI	UMBI	ER	1			TENT DOCUM	ENTS	CLASS	SUB- CLASS	TRANS YES	LATION NO
		DOCU	MEN	IT NI	UMBI	ER				TENT DOCUM	ENTS	CLASS	1		
		DOCU	MEN	IT NI	UMBI	ER				TENT DOCUM	ŒNTS	CLASS	1		
		Docu	MEN	IT N	UMBI	ER				TENT DOCUM	ENTS	CLASS	1		
		DOCU	IMEN	IT N	UMBI	ER				TENT DOCUM	ENTS	CLASS	1		
		DOCU	UMEN	IT N	UMB	ER				TENT DOCUM	ENTS	CLASS	1		
								DATE	COUNTRY				CLASS		
7 m	C	THE	RI	DOCT	JME	NTS		Including	Author, Ti	tle, Date, I	Pertine	nt Pages	CLASS	YES	
zm		THE	RI	DOCT	JME	NTS		Including	Author, Ti		Pertine	nt Pages	CLASS	YES	
2 m		OTHE:	R I	Doct	DME.	NTS of a		Including	Author, Ti	tle, Date, I	Pertine	nt Pages	, Etc.)	YES	
2 m		THE	R I	Docu	JME 4	nts ta	1,	Including (1987)	Author, Ti	tie, Date, I dron Lettorn Lettorn	Pertine ters	nt Pages 28 K 32:8	. Etc.) 57-86	YES	
zm		OTHE	R I	ooci sta	JIME F (C	NTS ta		Including (1987) 2K (1991)	Author, Ti Tetrahe Tetrahed Plant Pt	tie, Date, I dron Lettory ron Lettory siplical	Pertine ters	28 R 32: 89	CLASS . Etc.) 57-86 91-89	YES	NO
zm	C	THE	Buil Bai	St of Street	DME F &	nts ta ta	1	Including (1987) ak (1991) (1991)	Author, Ti Tetraher Tetraher Tetraher Plant Ph	tie, Date, I dron Lettory Sipl. 2 45101. (19	Pertine ters (80:5	28 % 32: 89	CLASS ST-86 31-89 514	YES 4	NO
200		THE	Buil Bai	St of Street	DME F &	nts ta ta	1	Including (1987) ak (1991) (1991)	Author, Ti Tetraher Tetraher Tetraher Plant Ph	tie, Date, I dron Lettory Sipl. 2 45101. (19	Pertine ters (80:5	28 % 32: 89	CLASS ST-86 31-89 514	YES 4	NO
MINER	2 7	OTHE L	Builder Builder Barrier Builder Builder Builder Builder Barrier Builder Star Sor	DME F &	nts ta ta	1	Including (1987) ak (1991) (1991)	Author, Ti Tetraher Tetraher Tetraher Plant Ph	tie, Date, I dron Lettory ron Lettory siplical	Pertine ters (80:5	28 % 32: 89	CLASS ST-86 31-89 514	YES 4	NO	

Form PTO		• • • • • • • • • • • • • • • • • • • •			,	<u>ن</u>	3. c	EPARTME	NT OF C	OMERCE		_00.	10.		Shee SERIAL		_ of
(Reproduced	1)						2ATE	ENT AND T	RACEMAR	K OFFICE	APPLI	3-10x	43			77,3	E
1	INFOR	UMATI	ON			LOS		E STA	TEME	NT	Lie	ahtn	er	e+	<u>al.</u>		
	(0	зе зе	ever					neces	sary)			ember	17,1	992	GROUP	pou	n
EXAMINER		Lane						, 	℧.		ATENT	DOCUME	NTS				
INITIAL		1500	JUME	NT :	NOME	JER -	,	DATE		NAME				CLASS	SUB- CLASS		NG DATE
											 				1	+	
	+			+	\dagger	•	H								 		
	 	+	+	+	╁	+-		····							 		 -
	 	+		+	+	H	H								ļ	- 	
···		+	\dashv	+	╀	\sqcup				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			······································	ļ		
		$\downarrow \downarrow$	\downarrow	\bot		Ш		···									
·																	
-																1	
	1		\top	\top	\Box		1									+	······································
	i	1 1	- 1		1 1											1	
	-	$\left\{ \cdot \right\}$	\dashv	+		H	+								 	 	
		DOCU	IMEN	IT NU	JMBE	R		DATE		IGN PA	TENT I	OCUMEN		CLASS	SUB-	TRANS	LATION
		DOCU	MEN	IT NO	JMBE	ER T					TENT I	OCUMEN		CLASS	SUB- CLASS	TRANS	LATION NO
		DOCU	MEN	IT NO	лмве	ZR					TENT I	OCUMEN		CLASS	i	-	
		DOCU	MEN	IT NU	Ј МВЕ	ER					TENT I	OCUMEN		CLASS	i	-	
		Docu	JMEN	IT NU	ЈМВЕ	ZR					TENT I	DOCUMEN		CLASS	i	-	
		DOCU	JMEN	IT NU	JMBE	ZR					TENT 1	DOCUMEN		CLASS	i	-	
		DOCU	JMEN	IT NU	JMBE	ER					TENT 1	DOCUMEN		CLASS	i	-	
								DATE		COUNTRY					CLASS	-	
Gu-		OTHE	R	DOCE	JME	NTS	//2	Includ:	ng Au	COUNTRY	icle, D.	ate, Per	tinent	Pages	CLASS	YES	
Ga-		OTHE	R I	dn	JME:	NTS	12	encludi 2+ al	ng Au	thor, T	161e, 0.	ate, Pernetics	tinent (198	Pages	CLASS	YES	NO
5a-		OTHE	R E	dn	JME:	NTS	12 12 12 12 13	encludi A al	ng Au Ly M	thor, r	162e, 0. n. Ger atl. 1	netics Acad	cinent (198 Sci	Pages,	CLASS	YES	NO
5u-		OTHE	R E	dn	JIMDE?	nts ar		encludi et al	ng Au ng Ng	thor, Too, M	162e, 0. n. G(1 at). 1	netics Acad	ctinent (198 Sci	Pages,	CLASS , Etc.) 288.1-	YES - 9.	235
Sa		OTHE	R E	dn	JIMDE?	nts ar		encludi et al	ng Au ng Ng	thor, Too, M	162e, 0. n. G(1 at). 1	netics Acad	ctinent (198 Sci	Pages,	CLASS , Etc.) 288.1-	YES - 9.	235
Su		OTHE	R E	dn	JIMDE?	nts ar		encludi et al	ng Au ng Ng	thor, Too, M	162e, 0. n. G(1 at). 1	netics Acad	ctinent (198 Sci	Pages,	CLASS	YES - 9.	235
Su		OTHE	R E	dn	JIMDE?	nts ar		encludi et al	ng Au ng Ng	thor, Too, M	162e, 0. n. G(1 at). 1	netics Acad	ctinent (198 Sci	Pages,	CLASS , Etc.) 288.1-	YES - 9.	235
MINER		OTHE	R E	dn	UME:	nts ar		encludi et al	ng Au ng Ng	Enor, Toll Go	n. Garati. 1 247	netics Acad	Sci -20	Pages,	Etc.) 88.17	YES - 9.	235

Form PTO-14 (Reproduced		U.S PATENT AND	ENT OF COMM TRADEMARK OF		ATTY. DOC		SERIAL		of
	INFO	RNATION DISCLOSURE		- '	APPLICANT LIGHTNER ET AL		101/977	, 339	
		BY APPLICANT			FILING DATE		GROUP		
	(Use	several sheets if	necessary)		NOVEMBER 17,1	992			
			V. s	. PATENT	DOCUMENTS				
*EXAMINER		DOCUMENT NUMBER	DATE	T T	NAME	CLASS	SUB-	FILIN	IG DATI
INITIAL	\vdash	07/00/050		 			CLASS	IF APP	
		07/804,259	12/4/91	U.S. E	PATENT APPLICATION				
							1	-	
				 		 -	 	 	
	-			 			 		
				 					
				↓					•
				<u> </u>					
					····				
				 		+			
				1		<u> </u>	<u> </u>		
			FOREIG	N PATENT	DOCUMENTS				
		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUB-	TRANSI	ATION
San,	_						CLASS	YES	NO
770	₩O 9:	3/11245	10 JUNE 93	PCT		C 12 N	15/53	x	
									
					·	<u> </u>			L
		OTHER DOCUMENTS (I	ncluding Aut	hor, Tit	le, Date, Pertiner	it Pages, I	tc.)		
									-
									
	7								
	1			·					
		-							
MINER	l	<u> </u>							
	£ 1	m'Cli			ATE CONSIDERED	9/26	22		
									
AMINER: In	itial	if citation conside	ered, whether	or not	citation is in co	nformance ·	with MPEP	609; Dra	.
munication		n il not in conform	mance and not	consid	ered. Include cop	y of this	form with	next	

Sheet

Form PTO-1449 (Reproduced)		,		tional) 043-B	Application Number 08/	per 262,401	eet <u>1</u> c
11	NFORMATION DISCLO IN AN APPLIC		Applicant	LIGHTNE			
	(Use several sheets if			20, 1994	Group Art Unit	1808	
CV A LATHER	T	U. S. PATEN	T DOCUMENTS			,	
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING IF APPR	DATE OPRIATI
· · · · · · · · · · · · · · · · · · ·							
					 		
							
	-						
							<u>. </u>
		EODERCKI DATE	THE DOCKE OFFI				
	DOCUMENT NUMBER	DATE DATE	COUNTRY	CLASS	SUB-	TRANSL	ATTON
			COUNTRY	CLASS	CLASS	YES	NO
9m	WO 90/10380	09/20/90	РСТ	A01H	1/04		
<u>-</u>	OTHER I	OCUMENTS (Including	Author, Title, Date, Pe	ertinent Pages. Etc	.)		
		······································			 		
		······································					

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

7120002

EXAMINER

	_	~~
Sheet	1	7 15
SHEEL		UJE

Form PTO-1449 (Reproduced)

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)
BB-1043-B

Application Number 08/262,401

Applicant

LIGHTNER ET AL

Filing Date

Group Art Unit

		II S PAT	6-2 TENT DOCUMENTS	0-94	· · · · · · · · · · · · · · · · · · ·	
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
						IF APPROPRIATE
					<u> </u>	
1						
			71 - 71 17			
						
1						
	DOCUMENT NUMBER	FOREIGN PA	TENT DOCUMENTS			
		DATE	COUNTRY	CLASS	CLASS	TRANSLATION YES NO
9m	WO 93/11245	6-10-93	PCT	C12N	15/33	x
2m	WO 91/13972	3-14-91	PCT	C12N	1/21	
2 m	WO 93/06712	4-15-93	PCT	A01H	1/00	
	OTHER DO	OCUMENTS (Incl.)	uding Author, Title, Date, Pe	rtinent Pages Etc.	,	
g'm	Mattson et al, Journa	l of Lipid Research,	26, 194-202 (1985)	3 3 3 3 3 3 3 3 3 3		
	Gailliard, In: Stumpf	, P.K., Ed., The Biod	chemistry of Plants, 4, 85-	116, Academic P	ress, NY (198	30)
	Mensink et al, New E	ngland Journal of M	Medicine, 323, 439-445 (19	990)		
	Knowles, In Applewh	ite, T.H., Ed., World	d Conf. on Biotechnology	for the Fats and (Oils Industry	Proceedings,
	American Oil Chemis Browse et al, Ann. Re	sts' Society, pp. 35-3 v. Plant Physiol. Mo	8 (1980) ol. Biol., 42, 467-506 (199	1)	· · · · · · · · · · · · · · · · · · ·	
MINER		,	DATE CONSIDERED			
<u> </u>	7 M°EC			1266		

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Reproduced)			Docket Number (Option		Application Numb	
INFOR	RMATION DISCLO		Applicant			262,401
	IN AN APPLIC (Use several sheets if)			LIGHTNE		-
	, y .		Filing Date 6-20	-94	Group Art Unit	
EXAMINER		1	DOCUMENTS			
INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIAT
		ý.				
					*	
						
		FOREIGN PATEN	T DOCUMENTS			
	CUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-	TRANSLATION
					CLASS	YES NO
			······································			
			510 25 55 55 55 55 55			
	OTHER DO	CUMENTS (Including A	uthor Title Date Pertin	nant Pages Fee 1		
0	hlrogge et al, Biochi	m. Biophys. Acta, 1082, 1	-26 (1991)	iem ruges, r.ic));	
N W	ang et al, Plant Phys	siol. Biochem., 26, 777-79	92 (1988)			***
T	hompson et al, Proc.	Natl. Acad. Sci. USA, 88,	2578-2582 (1991)			
		atl. Acad. Sci. USA, 88, 2			····	
		hem., 265, 20144-20149 (*	
		hem., 261, 13230-13235 (

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

9/26/02

EXAMINER

7 ME Gi

Sheet 3 OF 6

Form PTO-1449 (Reproduced) INFORMATION DISCLOSURE CITATION

Docket Number (Optional) Application Number BB-1043-B Applicant

08/262,401

IN AN APPLICATION

LIGHTNER ET AL

	(Use several sheets if	necessary)	Filing Date	20.04	Group Art Unit	
		U. S. P.	ATENT DOCUMENTS	20-94		
EXAMINER INTITAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DAT
					JUBULASS	IF APPROPRIA
		1				
					 	
						
		FOREICNI	ATENT DOCKERS			
	DOCUMENT NUMBER	DATE	PATENT DOCUMENT	CLASS 7	SUB-	TRANSLATION
					CLASS	YES NO
						To Militar
	OTVER 5					
En	Kaestner et al, J. Biol.	Cham 264 1476	luding Author, Title, Date, Pe	rtinent Pages, Etc.)		
2 4 -		Chem., 204, 1475	7-14 /0 (1989)			
	Wada et al, Nature, 34					
+	U.S. Application No. 0					
	Gailliard & Stumpf, J.					
	Cronan et al, J. Biol. C					
	Buist et al, Tetrahedroi	Letters, 28, 857-	860)1987)			
ER			DATE CONSIDERED			
	Misse	•	1	9/20/02		

Sheet	4	OF
-------	---	----

f	Form PTO-1445
ı	(Parameters)

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)
BB-1043-B

Application Number 08/262,401

Applicant

LIGHTNER ET AL

	LIGH.	INER ET AL
į	Filing Date	Group Art Unit
	6-20-94	

		U. S. PAT	ENT DOCUMENTS)-94		
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
		·				IF APPROPRIAT
						·
						
						· · · · · · · · · · · · · · · · · · ·
	· · · · · · · · · · · · · · · · · · ·					
		FOREIGN PA	TENT DOCUMENTS			
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
1						YES NO
			-			
				_		
		,				
	OTHER DO	CUMENTS (Include	ling Author, Title, Date, Pert	inent Pages Fto		
9 m	Buist & Marecak, Ten	rahedron Letters, 32,	891-894 (1991)	ment ruges, Lic.)		
	Bafor et al, Plant Phys	siol., 280, 507-514 (1	991)			
j	Moreau & Stumpf, Pla	ant Physiol, 67, 672-	576 (1981)			
- / -	Bafor et al, Biochem.					
	1		on Metabolism Structure	& Function of F	lant Lipids,	Jerbay,
	Feldmann et al, Mol. C	ien Genetics 208 1	0.(1000)			
' 1		rem. Genetics, 200. i	- y (1987)			

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 5 OF 6

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Form PTO-1449

(Reproduced)

Docket Number (Optional) BB-1043-B Applicant

Application Number 08/262,401

LIGHTNER ET AL

	,		Filing Date	6-20-94		Group Art Unit			
EXAMINER	DOCUMENT NUMBER		ATENT DOCUME	NTS	·	·····			
INTITIAL	DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	FILING D. IF APPROPE		
			*				 		
							 		
		-							
						ļ			
							<u></u>		
							 		
	———— <u> </u>	FOREVEN							
	DOCUMENT NUMBER	DATE	PATENT DOCUMI	ENTS	CLASS				
					CLASS	SUB- CLASS	TRANSLATIC YES N		
					-				
5m	OTHER DO	CUMENTS and	cluding Author, Title, Da	te, Pertinent Pa	ges, Etc.)		<u>-</u>		
	Energy of al, 170c. Na	ii. Acaa, Sci. US	4 , 88 , 1731-1735 (199)	1)					
	Genbank ID: OSDESA								
- ; v -	Cahoon et al, Proc. Natl. Acad. Sci. USA, 89, 11184-11188 (1992)								
	Arondel, V. et al, Science, 258, 1353-1355 (1992)								
	Gunstone et al, Eds., The Lipids Handbook, Chapman and Hall Ltd., Cambridge (1986) (entire reference)								
,	Somerville, C., MSU-D	OE Plant Resear	ch Laboratory Annual	Report (1992)) (entire	reference)			
NER	+ M (3)		DATE CONSIDERED		, (ontile)				
	L 1 1 2 1								

•			

Form PTO-1449 (Reproduced)	Dockst Number (Optional) BB-1043-B	Sheet 6 O	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	LIGHTNER ET AL		
	Filing Date 6-20-94	Group Art Unit	

			PATENT DOCUMENTS	-20-94	Group Art Unit		
EXAMINER							
INTITAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA	
						- 141,167,1	
					 		
							
ĺ		[
		_					
1							
		20222					
	DOCUMENT NUMBER	FOREIG	PATENT DOCUMENT				
			COONTRY	CLASS	SUB- CLASS	TRANSLATION YES N	
						2	
	OTHER DO	CUMENTS					
		COMMITTED (ncluding Author, Title, Date, Pe	ertinent Pages, Etc.)			
	Greenwood & Bewley,	Can. J. Bot. 6	01751-1760 (1982)				
	Greenwood & Bewley,	Can. J. Bot., 6	01751-1760 (1982)				
.0~	James et al, Biochem J	., 95, 448-452	(1965)				
	James et al, Biochem J. Canvin, Can. J. Bioche	., 95, 448-452 (m. Physiol., 41	(1965) , 1879-1885 (1963)				
	James et al, Biochem J	., 95, 448-452 (m. Physiol., 41	(1965) , 1879-1885 (1963)				
	James et al, Biochem J. Canvin, Can. J. Bioche	., 95, 448-452 (m. Physiol., 41	(1965) , 1879-1885 (1963)				
NER	James et al, Biochem J Canvin, Can. J. Bioche Sargent, Meth. Enzymo	., 95, 448-452 (m. Physiol., 41	(1965) , 1879-1885 (1963)				

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this

Form PTO-1449 (Reproduced)

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number (Optional)
BB-1043-D

Application Number 09/133,962

Applicant

LIGHTNER ET AL.

Filing Date
AUGUST 14, 1998

Group Art Unit 1651

U. S. PATENT DOCUMENTS FILING DATE EXAMINER DATE NAME CLASS SUBCLASS DOCUMENT NUMBER IF APPROPRIATE INTITAL 09/01/98 Somerville et al. 435 172.3 5,801,026 Somerville et al. 800 205 09/16/97 5,668,292 FOREIGN PATENT DOCUMENTS COUNTRY CLASS TRANSLATION DOCUMENT NUMBER CLASS OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Bafor, M. et al., Ricinoleic acid biosynthesis and triacylglycerol assembly in microsomal preparations from developing castor-bean (Ricinus communis) endosperm, Biochem. J., 280, 507-514, 1991 Van de Loo, F. J. et al., An oleate 12-hydroxylase from Ricinus communis L. is a fatty acyl desaturase homolog, Proc. Natl. Acad. Sci. USA, 92, 6743-6747, July 1995 Broun, P. et al., Accumulation of Ricinoleic, Lesquerolic, and Densipolic Acids in Seeds of Transgenic Arabidopsis Plants That Express a Fatty Acyl Hydroxylase cDNA from Castor Bean, Plant Physiol., 113, 933-Broun, P. et al., Expression of Castor and Lesquerlla Fendleri Oleate-12 Hydroxylases in Transgenic Plants: Effects on Lipid Metabolism and Inferences on Structure-Function Relationships in Fatty Acid Hydroxylases, 12th International Symposium on Plant Lipids, July 7-12, 1996 Gunstone, F. D. et al., Hydroxy acids and Castor oil, The Lipid Handbook, Second Edition, pp. 15-16; 55-56 5m Broun, P. et al., Expression of Castor and L. Fendleri Oleate 12- Hydroxylases in Transgenic Plants, Physiology, 9 m Biochemistry and Molecular Biology of Plant Lipids, 342-344, 1997 DATE CONSIDERED EXAMINER 9/26/02 7)7m:Ela

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.